Photogrammetria (PRS), 42 (1988) 345-348
Elsevier Science Publishers B.V., Amsterdam — Printed in The Netherlands

AUTHOR INDEX VOL. 42

Abdel Hady, M.A.
See E.M. El Shazly. 42/5,6 (May 88): 303-310

Ackermann, F.
The Use of Camera Orientation Data in Photogrammetry — A Review. 42/1,2 (Nov 87): 19-33

Anderson, J.M.
See S. Curry. 42/3 (Dec 87): 126-136

Armenakis, C.
On-line Measurements for Multi-temporal Photographs Using an Analytical Stereo-plotter, with W. Faig. 42/1,2 (Nov 87): 51-61

Axelsson, S.R.J.
Radar Altimetry Response from Rough Surfaces. 42/1,2 (Nov 87): 1-18

Baltsavias, E.P.
See A.M. Gruen. 42/3 (Dec 87): 97-112

Baumrind, S.
See S. Curry. 42/3 (Dec 87): 126-136

Becker, Rolf
Very High Resolution Aerial Films. 42/5,6 (May 88): 283-302

Blais, J.A.R.
See A.L. Kok. 42/4 (Mar 88): 143-156

Curry, S.
A Technique for Anatomic Feature Extraction and Tracking on Sequential Digital X-ray Images, with S. Baumrind and J.M. Anderson. 42/3 (Dec 87): 126-136

Dowman, I.J.
Report: ISPRS Intercommission Conference on Fast Processing of Photogrammetric Data, 2-4 June 1987, Interlaken-Switzerland. 42/5,6 (May 88): 326-327

Eklundh, J.O.
Report: First International Conference on Computer Vision, 8-11 June 1987, London-UK. 42/5,6 (May 88): 325-326

El Nasharty, F.A.
See E.M. El Shazly. 42/5,6 (May 88): 303-310

El Shazly, E.M.
Gold Exploration by Remote Sensing Techniques in the Wadi El Allagi Area, Egypt, with M.A. Abdel Hady and F.A. El Nasharty. 42/5,6 (May 88): 303-310

Ethrog, U.
Report: Network Design Optimization in Non-Topographic Photogrammetry, 31 March-2 April 1987, Baltimore-USA. 42/3 (Dec 87): 138-139

Metric Information from Nonmetric Photographs of Circular or Cylindrical Objects. 42/4 (Mar 88): 163-176

Faig, W.
See C. Armenakis 42/1,2 (Nov 87): 51-61

Feranec, J.
The Use of Multispectral Space Photographs to Draw up a Map of Land Use in Western Slovakia, with M. Hájek, J.O'tahel S. Šloboda and Šafár. 42/4 (Mar 88): 157-162

Förstner, W.
Report: Combined Adjustment of Heterogeneous Geodetic and Photogrammetric Data. Joint IAG and ISPRS Workshop, 22-24 September 1986, Munchen-FR Germany. 42/1,2 (Nov 87): 78-79

Fraser, C.S.
Multiple Exposures in Non-metric Camera Applications. 42/1,2 (Nov 87): 62-72

Furmston, B.E.
Report: Eleventh United Nations Regional Cartographic Conference for Asia and the Pacific. 5-16 January 1987, Bangkok-Thailand. 42/1,2 (Nov 87): 79-81

Ghosh, S.K.
Photo-scale, Map-scale and Contour Intervals in Topographic Mapping. 42/1,2 (Nov 87): 34-50

Goldberg, M.
Hierarchical Segmentation Using a Composite Criterion for Remotely Sensed Imagery, with Jinyun Zhang. 42/3 (Dec 87): 87-96

Grabmaier, K.A.
Report: Joint Colloquium of Working Groups II/1, II/2 and II/6 ISPRS, 21-23 September 1987, London-UK. 42/5,6 (May 88): 330-331

Gruen, A.M.
High-precision Image Matching for Digital Terrain Model Generation, with E.P. Baltsavias. 42/3 (Dec 87): 97-112

Towards Real-Time Photogrammetry. 42/5,6 (May 88): 209-244

Hájek, M.
See J. Feranec. 42/4 (Mar 88): 157-162

Hofmann, W.
Comment on "Photo-scale, Map-scale and Contour Intervals in topographic mapping". 42/1,2 (Nov 87): 48-49

Holden, G.J.F.
Report: 14th Conference of Commonwealth Surveyors, 21-30 July 1987, Cambridge-UK. 42/5,6 (May 88): 327-329

Hothmer, J.
Report: Sixth United Nations Regional Cartographic Conference for Africa. 10-17 November 1986, Addis Ababa-Ethiopia. 42/1,2 (Nov 87): 73-78

Information Retrieval in the Photogrammetry and Remote Sensing Literature. 42/5,6 (May 88): 271-282

Report: EARSeL Symposium, 4-8 May 1987, Noordwijkerhout-Netherlands. With F. Jaskolla, K. Jacobsen and H. Rott. 42/4 (Mar 88): 177-179

Comment on "Photo-scale, Map-scale and Contour Intervals in Topographic Mapping. 42/1,2 (Nov 87): 49-50

Jacobsen, K.
See. J. Hothmer. 42/4 (Mar 88): 177-179

Jaskolla, F.
See J. Hothmer. 42/4 (Mar 88): 177-179

0031-8663/88/$03.50 © 1988 Elsevier Science Publishers B.V.

Kaufmann, Hermann
Image Optimization Versus Classification, with Berthold Pfeiffer. 42/5,6 (May 88): 311-324

Kok, A.L.
Editing Strategies for Digitally Correlated Gestalt Data, with J.A.R. Blais. 42/4 (Mar 88): 143-156

Koopmans, B.N.
Report: Third Airborne Imaging Spectrometer Workshop, 2-4 June 1987, J.P.L., Pasadena-USA. 42/4 (Mar 88): 181-183

Lichtner, Werner
Report: EURO-CARTO VI, 13-16 April 1987, Brno-CSSR. 42/4 (Mar 88): 181

Makarovic, B.
Report: 41st Photogrammetric Week, 14-19 September 1987, Stuttgart-FR Germany. 42/4 (Mar 88): 179-180

Mulder, N.J.
Units of Measurements in Remote Sensing. 42/5,6 (May 88): 195-196

Murai, Shunji
Report: The ISPRS Kyoto Congress 1988. 42/4 (Mar 88): 183-185

Olsen, R.
Report: Progress in Terrain Modelling. 20-22 May 1987, Lyngby-Denmark. 42/3 (Dec 87): 137

O'tabel J.
See J. Feranec. 42/4 (Mar 88): 157-162

Pfeiffer, Berthold
See Hermann Kaufmann. 42/5,6 (May 88): 311-324

Rosenholm, D.
Empirical Investigation of Optimum Window Size Using the Least Squares Image Matching Method. 42/3 (Dec 87): 113-125

Rott, H.
See J. Hothmer. 42/4 (Mar 88): 177-179

Šafár, J.
See J. Feranec. 42/4 (Mar 88): 157-162

Sarjakoski, Tapani
Artificial Intelligence in Photogrammetry. 42/5,6 (May 88): 245-270

Sloboda, Š.
See J. Feranec. 42/4 (Mar 88): 157-162

Strome, W.M.
Report: 38th International Congress of the International Astronautical Federation, 10-17 October 1987, Brighton-UK 42/5,6 (May 88): 331-332

Report: 21st International Symposium on Remote Sensing of Environment, 26-30 October 1987, Ann Arbor-USA. 42/5,6 (May 88): 332-333

Torlegård, Kennert
Transference of Methods from Analytical to Digital Photogrammetry. 42/5,6 (May 88): 197-208

Report: ISPRS Council Meeting. 42/1,2 (Nov 87):81

Van Twembeke, U.L.
Report: International Forum on Instrumentation and Geographic Information, 10-13 June 1987, Lyon-France. 42/4 (Mar 88):186-188

Van der Weele, A.
Comment on "Photo-scale, Map-scale and Contour Intervals in Topographic Mapping. 42/1,2 (Nov 87): 46-48

Van Wijk, M.C.
Report: Second Industrial and Engineering Conference, 12-14 September 1987, London-UK. 42/5,6 (May 88): 329-330

Zhang, Jinyun
See M. Goldberg 42/3 (Dec 87): 87-96

SUBJECT INDEX VOL. 42

ADJUSTMENT/STATISTICS

Editing Strategies for Digitally Correlated Gestalt Data. A.L. Kok, with J.A.R. Blais. 42/4 (Mar 88): 143-156

Empirical Investigation of Optimum Window Size Using the Least Squares Image Matching Method. D. Rosenholm. 42/3 (Dec 87): 113-125

AERIAL TRIANGULATION

The Use of Camera Orientation Data in Photogrammetry — A Review. F. Ackermann. 42/1,2 (Nov 87): 19-33

BIBLIOGRAPHY

Information Retrieval in the Photogrammetry and Remote Sensing Literature. Jürgen Hothmer. 42/5,6 (May 88): 271-282

COMPUTER HARDWARE

Towards Real-Time Photogrammetry. Armin Gruen. 42/5,6 (May 88): 209-244

COMPUTER SOFTWARE

Artificial Intelligence in Photogrammetry. Tapani Sarjakoski. 42/5,6 (May 88): 245-270

DIGITAL IMAGE PROCESSING

A Technique for Anatomic Feature Extraction and Tracking on Sequential Digital X-ray Images. S. Curry, with S. Baumrind and J.M. Anderson. 42/3 (Dec 87): 126-136

Hierarchical Segmentation Using a Composite Criterion for Remotely Sensed Imagery. M. Goldberg, with Jinyun Zhang. 42/3 (Dec 87): 87-96

Image Optimization Versus Classification. Hermann Kaufmann, with Berthold Pfeiffer. 42/5,6 (May 88): 311-324

DIGITAL METHODS

On-line Measurements for Multi-temporal Photographs Using an Analytical Stereo-plotter. C. Armenakis, with W. Faig. 42/1,2 (Nov 87): 51-61

A Technique for Anatomic Feature Extraction and Tracking on Sequential Digital X-ray Images. S. Curry, with S. Baumrind and J.M. Anderson. 42/3 (Dec 87): 126-136

High-precision Image Matching for Digital Terrain Model Generation. A.M. Gruen, with E.P. Baltsavias. 42/3 (Dec 87): 97-112

Towards Real-Time Photogrammetry. Armin Gruen. 42/5,6 (May 88): 209-244

Empirical Investigation of Optimum Window Size Using the Least Squares Image Matching Method. D. Rosenholm. 42/3 (Dec 87): 113-125

Artificial Intelligence in Photogrammetry. Tapani Sarjakoski. 42/5,6 (May 88): 245-270

Transference of Methods from Analytical to Digital Photogrammetry. Kennert Torlegård. 42/5,6 (May 88): 197-208

DIGITAL TERRAIN MODELS

High-precision Image Matching for Digital Terrain Model Generation. A.M. Gruen, with E.P. Baltsavias. 42/3 (Dec 87): 97-112

Editing Strategies for Digitally Correlated Gestalt Data. A.L. Kok, with J.A.R. Blais. 42/4 (Mar 88): 143-156

GEOLOGY

Gold Exploration by Remote Sensing Techniques in the Wadi El Allaqi Area, Egypt. E.M. El Shazly, with M.A. Abdel Hady and F.A. El Nasharty. 42/5,6 (May 88): 303-310

INSTRUMENTATION

On-line Measurements for Multi-temporal Photographs Using an Analytical Stereo-plotter. C. Armenakis, with W. Faig. 42/1,2 (Nov 87): 51-61

LANDSAT

Gold Exploration by Remote Sensing Techniques in the Wadi El Allaqi Area, Egypt. E.M. El Shazly, with M.A. Abdel Hady and F.A. El Nasharty. 42/5,6 (May 88): 303-310

Image Optimization Versus Classification. Herman Kaufmann, with Berthold Pfeiffer. 42/5,6 (May 88): 311-324

MAPPING

The Use of Multispectral Space Photographs to draw up a Map of Land Use in Western Slavakia. J. Feranec, with M. Hajek, J.O'tahel S. Sloboda and J. Safar. 42/4 (Mar 88): 157-162

Photo-scale, Map-scale and Contour Intervals in Topographic Mapping. S.K. Ghosh. 42/1,2 (Nov 87): 34-50

Image Optimization Versus Classification. Hermann Kaufmann, with Berthold Pfeiffer. 42/5,6 (May 88): 311-324

MEDICINE

A Technique for Anatomic Feature Extraction and Tracking on Sequential Digital X-ray Images. S. Curry. with S. Baumrind and J.M. Anderson. 42/3 (Dec 87): 126-136

MICROWAVE REMOTE SENSING

Radar Altimetry Response from Rough Surfaces. S.R.J. Axelsson. 42/1,2 (Nov 87): 1-18

MINING

Gold Exploration by Remote Sensing Techniques in the Wadi El Allaqi Area, Egypt. E.M. El Shazly, with M.A. Abdel Hady and F.A. El Nasharty. 42/5,6 (May 88): 303-310

NAVIGATION

The Use of Camera Orientation Data in Photogrammetry — A Review. F. Ackermann. 42/1,2 (Nov 87): 19-33

NON-METRIC CAMERAS

Metric Information from Nonmetric Photographs of Circular or Cylindrical Objects. Uzi Ethrog. 42/4 (Mar 88): 163-176

Multiple Exposures in Non-metric Camera Applications. C.S. Fraser. 42/1,2 (Nov 87): 62-72

PHOTOGRAMMETRIC METHODOLOGY

The Use of Camera Orientation Data in Photogrammetry — A Review. F. Ackermann. 42/1,2 (Nov 87): 19-33

Very High Resolution Aerial Films. Rolf Becker. 42/5,6 (May 88): 283-302

A Technique for Anatomic Feature Extraction and Tracking on Sequential Digital X-ray Images. S. Curry, with S. Baumrind and J.M. Anderson. 42/3 (Dec 87): 126-136

Multiple Exposures in Non-metric Camera Applications. C.S. Fraser. 42/1,2 (Nov 87): 62-72

Photo-scale, Map-scale and Contour Intervals in Topographic Mapping. S.K. Ghosh. 42/1,2 (Nov 87): 34-50

High-precision Image Matching for Digital Terrain Model Generation. A.M. Gruen, with E.P. Baltsavias. 42/3 (Dec 87): 97-112

Towards Real-Time Photogrammetry. Armin Gruen. 42/5,6 (May 88): 209-244

Information Retrieval in the Photogrammetry and Remote Sensing Literature. Jurgen Hothmer. 42/5,6 (May 88): 271-282

Editing Strategies for Digitally Correlated Gestalt Data. A.L. Kok, with J.A.R. Blais. 42/4 (Mar 88): 143–156

Empirical Investigation of Optimum Window Size Using the Least Squares Image Matching Method. D. Rosenholm. 42/3 (Dec 87): 113–125

Artificial Intelligence in Photogrammetry. Tapani Sarjakoski. 42/5,6 (May 88): 245–270

Transference of Methods from Analytical to Digital Photogrammetry. Kennert Torlegård. 42/5,6 (May 88): 197–208

PHOTOGRAPHY

Very High Resolution Aerial Films. Rolf Becker. 42/5,6 (May 88): 283–302

The Use of Multispectral Space Photographs to draw up a Map of Land Use in Western Slavakia. J. Feranec, with M. Hajek, S. Sloboda and J. Safar. 42/4 (Mar 88): 157–162

RADAR

Radar Altimetry Response from Rough Surfaces. S.R.J. Axelsson. 42/1,2 (Nov 87): 1s–18

REMOTE SENSING METHODOLOGY

Radar Altimetry Response from Rough Surfaces. S.R.J. Axelsson. 42/1,2 (Nov 87): 1–18

Gold Exploration by Remote Sensing Techniques in the Wadi El Allaqi Area, Egypt. E.M. El Shazly, with M.A. Abdel Hady and F.A. El Nasharty. 42/5,6 (May 88): 303–310

The Use of Multispectral Space Photographs to draw up a Map of Land Use in Western Slovakia. J. Feranec, with M. Hajek, J. O'tahel S. Sloboda and J. Safar. 42/4 (Mar 88): 157–162

Hierarchical Segmentation Using a Composite Criteria for Remotely Sensed Imagery. M. Goldberg, with Jinyung Zhang. 42/3 (Dec 87): 87–96

Information Retrieval in the Photogrammetry and Remote Sensing Literature. Jurgen Hothmer. 42/5,6 (May 88): 271–282

Units of Measurement in Remote Sensing. N.J. Mulder. 42/5,6 (May 88): 195–196

REPORTS

ISPRS Intercommission Conference on Fast Processing of Photogrammetric Data, 2–4 June 1987, Interlaken-Switzerland. I.J. Dowman. 42/5,6 (May 88): 326–327

First International Conference on Computer Vision, 8–11 June 1987, London-UK. J.O. Eklundh. 42/5,6 (May 88): 325–326

Network Design Optimization in Non-Topographic Photogrammetry, 31 March–2 April 1987, Baltimore-USA. U. Ethrog. 42/3 (Dec 87): 138–139

Combined Adjustment of Heterogeneous Geodetic and Photogrammetric Data. Joint IAG and ISPRS Workshop, 22–24 September 1986, Munchen-FR Germany, W. Förstner. 42/1,2 (Nov 87): 78–79

Eleventh United Nations Regional Cartographic Conference for Asia and the Pacific. 5–16 January 1987, Bangkok-Thailand. B.E. Furnston. 42/1,2 (Nov 87): 79–81

Joint Colloquium of Working Groups II/1, II/2 and II/6 ISPRS, 21–23 September 1987, London-UK. K.A. Grabmaier. 42/5,6 (May 88): 330–331

14th Conference of Commonwealth Surveyors, 21–30 July 1987, Cambridge-UK. G.J.F. Holden. 42/5,6 (May 88): 327–329

Sixth United Nations Regional Cartographic Conference for Africa. 10–17 November 1986, Addis Ababa-Ethiopia. J. Hothmer. 42/1,2 (Nov 87): 73–78

EARSeL Symposium, 4–8 May 1987, Noordwijkerhout-Netherlands. J. Hothmer, with F. Jaskolla, K. Jacobsen and H. Rott. 42/4 (Mar 88): 177–179

Third Airborne Imaging Spectrometer Workshop, 2–4 June 1987, J.P.L., Pasadena-USA. B.N. Koopmans. 42/4 (Mar 88): 181–183

EURO-CARTO VI, 13–16 April 1987, Brno-CSSR. Werner Lichtner. 42/4 (Mar 88): 181

41st Photogrammetric Week, 14–19 September 1987, Stuttgart-FR Germany. B. Makarovic. 42/4 (Mar 88): 179–180

The ISPRS Kyoto Congress 1988. Shunji Murai. 42/4 (Mar 88): 183–185

Progress in Terrain Modelling, 20–22 May 1987, Lyngby-Denmark. R. Olsen. 42/3 (Dec 87): 137

38th International Congress of the International Astronautical Federation, 10–17 October 1987, Brighton-

UK. W.M. Strome. 42/5,6 (May 88): 331–332

21st International Symposium on Remote Sensing of Environment, 26–30 October 1987, Ann Arbor-USA. W.M. Strome. 42/5,6 (May 88): 332–333

ISPRS Council Meeting. K. Torlegård. 42/1,2 (Nov 87): 81

International Forum on Instrumentation and Geographic Information, 10–13 June 1987, Lyon-France. U.L. Van Twembeke, 42/4 (Mar 88): 186–188

Second Industrial and Engineering Conference, 12–14 September 1987, London-UK. M.C. van Wijk. 42/5,6 (May 88): 329–330

Photogrammetria (PRS), 42 (1988)349–350
Elsevier Science Publishers B.V., Amsterdam — Printed in The Netherlands

Contents Volume 42 (1987/1988)

Scientific-Technical Section

Radar altimetry response from rough surfaces
S.R.J. Axelsson (Linköping, Sweden) 1

The use of camera orientation data in photogrammetry — A review
F. Ackermann (Stuttgart, F.R. Germany) 19

Photo-scale, map-scale and contour intervals in topographic mapping
S.K. Ghosh (Quebec, Que., Canada) 34

On-line measurements for multi-temporal photographs using an analytical stereo-plotter
C. Armenakis and W. Faig (Fredericton, N.B. Canada) 51

Multiple exposures in non-metric camera applications
C.S. Fraser (Melbourne, FL, U.S.A.) 62

Reports Section

Sixth United Nations Regional Cartographic Conference for Africa — J. Hothmer 73

Combined Adjustment of Heterogeneous Geodetic and Photogrammetric Data —
W. Förstner 78

Eleventh United Nations Regional Cartographic Conference for Asia and the Pacific —
B.E. Furmston 79

ISPRS Council Meeting — K. Torlegård 81

News Section

News 82

Calendar 85

Scientific-Technical Section

Hierarchical segmentation using a composite criterion for remotely sensed imagery
M. Goldberg and Jinyun Zhang (Ottawa, Ont., Canada) 87

High-precision image matching for digital terrain model generation
A.M. Gruen and E.P. Baltsavias (Zurich, Switzerland) 97

Empirical investigation of optimal window size using the least squares image matching method
D. Rosenholm (Stockholm, Sweden) 113

A technique for anatomic feature extraction and tracking on sequential digital X-ray images
S. Curry (Boulder, CO, U.S.A.), S. Baumrind and J.M. Anderson (Berkeley, CA, U.S.A.) 126

Reports Section

Progress in Terrain Modelling — R. Olsen 137

Network Design Optimization in Non-Topographic Photogrammetry — U. Ethrog 138

News Section

News 140

Calendar 140

Scientific-Technical Section

Editing strategies for digitally correlated Gestalt data
A.L. Kok and J.A.R. Blais (Calgary, Alta. Canada) 143

The use of multispectral space photographs to draw up a map of land use in western Slovakia
J. Feranec, M. Hájek, J. Ot'ahel, Š. Sloboda and J. Šafár (Bratislava, Czechoslovakia) ... 157

Metric information from nonmetric photographs of circular or cylindrical objects
U. Ethrog (Haifa, Israel) 163

Reports Section
EARSeL Symposium - J. Hothmer, F. Jaskolla, K. Jacobsen and H. Rott 177
41st Photogrammetric Week - B. Makarovic 179
EURO-CARTO VI - W. Lichtner 181
Third Airborne Imaging Workshop - B.N. Koopmans 181
The ISPRS Kyoto Congress 1988 - S. Murai 183
International Forum on Instrumentation and Geographic Information - U.L. van Twembeke 186

Letter to the Editor - S.K. Gosh 189

News Section
News 191
Calendar 193

Scientific-Technical Section
Guest Editorial — Units of measurement in Remote Sensing
N.J. Mulder (Enschede, The Netherlands) 195
Transference of methods from analytical to digital photogrammetry
K. Torlegård (Stockholm, Sweden) 197
Towards real-time photogrammetry
A. Gruen (Zürich, Switzerland) 209
Artificial intelligence in photogrammetry
T. Sarjakoski (Espoo, Finland) 245
Information retrieval in the photogrammetry and remote sensing literature
J. Hothmer (Schwalbach, FR Germany) 271
Very high resolution aerial films
R. Becker (Sharjah, United Arab Emirates) 283
Gold exploration by remote sensing techniques in the Wadi El Allaqi area, Egypt
E.M. El Shazly, M.A. Abdel Hady and F.A. El Nasharty (Cairo, Egypt) 303
Image optimization versus classification — An application-oriented comparison of different methods by use of thematic mapper data
H. Kaufmann (Karlsruhe, FR Germany) and B. Pfeiffer (Frankfurt, FR Germany) 311

Reports Section
First International Conference on Computer Vision — J.-O. Eklundh 325
ISPRS Intercommission Conference on Fast Processing of Photogrammetric Data — I.J. Dowman 326
14th Conference of Commonwealth Surveyors — G.J.F. Holden 327
The Second Industrial and Engineering Survey Conference — M.C. van Wijk 329
Joint Colloquium of Working Group II/1, II/2 and II/6 ISPRS — K.A. Grabmeier 330
38th International Congress of the International Astronautical Federation — W.M. Strome 331
Twenty-first International Symposium on Remote Sensing of Environment — W.M. Strome 332

News Section
News 334
Calendar 337
Recognition of Referees 340

Author Index and Subject Index Volume 41 341
Author Index and Subject Index Volume 42 345